



CORRECTED SEQUENCE LISTING

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GREENFIELD, EDWARD
GRAY, GARY S.

<120> METHODS OF INHIBITING T CELL
PROLIFERATION OR IL-2 ACCUMULATION WITH CTLA-4
SPECIFIC ANTIBODIES (AS AMENDED)

<130> RPI-016CPA2DV

<140> 10/732847

<141> 2003-12-09

<150> 08/253783

<151> 1994-06-03

<160> 39

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<211> 39

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<213> Artificial Sequence

<220>

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39

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40

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<212> PRT

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<220>

<223> Synthetic peptide

<400> 3

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Ser	Ala	Arg	Thr												
			20												

<210> 4

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<220>

<223> Synthetic peptide

<400> 4

Arg	Asp	Val	Thr	Leu	Ala	Ala	Pro	Phe	Phe	Ile	Gly	Gly	Pro	Pro	Ala
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Thr	Val	His	Thr												
			20												

<210> 5

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<223> Synthetic peptide

<400> 5

Asp	Glu	Val	Ser	Ala	Ala	Ser	Trp	Pro	Pro	Tyr	Tyr	Ile	Trp	Glu	Arg
1				5				10						15	
Val	Pro	His	Ala												
			20												

<210> 6

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide

<400> 6

Leu	Arg	Pro	Thr	His	Gln	Phe	Leu	Pro	Ala	Tyr	Tyr	Leu	Ser	Asn	Arg
1				5				10						15	
Gln	Leu	Ser	Leu												
			20												

<210> 7

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<223> Synthetic peptide

<400> 7

His	Phe	Asp	Tyr	Met	Ile	Arg	Asn	Arg	Thr	Pro	Tyr	Tyr	Gln	Trp	Pro
1				5					10					15	
Thr	Val	Gly	Gln												
			20												

<210> 8

<211> 20

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<400> 8

Arg	Asp	Arg	Thr	Gly	Ala	Val	Val	Gly	Thr	Gln	Pro	Pro	Tyr	Trp	Leu
1				5					10					15	
Gly	Ala	Phe	Arg												
			20												

<210> 9

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Gly	Phe	Trp	Gly	Met	Glu	His	Asn	Leu	Thr	Thr	Gly	Leu	Ser	Pro	Thr
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Trp	Tyr	Leu	Lys												
			20												

<210> 10

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<223> Synthetic peptide

<400> 10

Ser	Trp	Asn	Leu	Arg	Ser	Leu	Pro	Asp	Gln	Pro	Ile	Gly	Ser	Pro	Pro
1				5					10					15	
Pro	Tyr	Trp	Leu												
			20												

<210> 11

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<212> PRT

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<223> Synthetic peptide

<400> 11

Phe Ala Phe Lys Leu Gly Gly Asn Gly Leu Gly Gly Ala Thr Tyr Pro
 1 5 10 15
 Pro Tyr Phe Ile
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<210> 12

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<221> VARIANT

<222> 5

<223> Xaa = Any Amino Acid

<223> Synthetic peptide

<400> 12

Pro Pro Tyr Tyr Xaa
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<210> 13

<211> 5

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<223> Synthetic peptide

<400> 13

Pro Pro Tyr Tyr Leu
 1 5

<210> 14

<211> 20

<212> PRT

<213> Artificial Sequence

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<400> 14

Lys Val Glu Leu Met Tyr Pro Pro Pro Tyr Tyr Leu Gly Ile Gly Asn
 1 5 10 15
 Gly Thr Gly Gly
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 Gly Gly Leu Val Met Ile Glu Arg Phe Asn Lys Leu Glu Leu Thr Trp
 1 5 10 15
 Ala Asp Asp Asp
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<210> 16
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 Val Cys Ala Leu Pro Asp Val Gly Tyr Glu Phe Leu Thr Ser Asn Ala
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 Asp Glu Pro Cys
 20

<210> 17
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<400> 17
 Tyr Leu Ala Asn His Phe Gly Trp Thr Ser Met Val Trp Asp Ala Asp
 1 5 10 15
 Asp Thr Gly His
 20

<210> 18
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<400> 18
 Arg Asn Trp Ala Arg Arg Thr Ser Asn Leu Ser Trp Asp Gly Asp Asp
 1 5 10 15
 Gly Ser Arg Gly
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<210> 19
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 Thr Ala Glu Arg Cys Val Ser Leu Thr Trp Asn Asp Asp Thr Cys Asp
 1 5 10 15
 Leu Thr Gly Ala
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 1 5 10 15
 Gly Gln Asp Ser
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<400> 21
 Asn Lys Glu Ser Leu Asn Trp Ala Asp Glu Leu Val Arg Lys Asp Pro
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 Pro His Gly Val
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<400> 22
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 1 5 10 15
 Leu Ile Pro Lys
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<210> 23
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<220>
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<400> 23
 Tyr Gly Ala Leu Thr Cys Phe Asn Asp Arg Ser Asp Cys Phe Phe Thr
 1 5 10 15
 Ser Pro Phe Ile
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<210> 24
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<400> 24
 His Leu Asn Trp Gly Glu Glu Val Arg His Gln Gly Glu Pro Arg Ala
 1 5 10 15
 Asp Gln Pro Phe
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<210> 25
 <211> 20
 <212> PRT
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<220>
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<400> 25
 His Leu Asn Trp Gly Glu Glu Val Arg His Gln Gly Glu Pro Arg Ala
 1 5 10 15
 Asp Gln Pro Phe
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<210> 26
 <211> 20
 <212> PRT
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<400> 26
 Val Leu Thr Phe Leu Glu Arg Leu Leu Pro Ala Val Val Pro Arg Ser
 1 5 10 15
 Cys His Pro Gly
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<210> 27
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 27
 Leu Ser Trp Gly Leu Glu Pro Trp Glu Gly Ser Phe Leu Trp Leu Thr
 1 5 10 15
 Glu Ser Pro Met
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<210> 28
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 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 28
 Leu Asn Trp Asp Ile Asp Ser Met Pro Met Gly Val Tyr Cys Asp Val
 1 5 10 15
 Pro Asp Ser Cys
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<210> 29
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 29
 Leu Thr Phe Leu Asp Asp
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<210> 30
 <211> 18
 <212> PRT
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<220>
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<400> 30
 Ala Ala Thr Tyr Met Met Gly Asn Glu Leu Thr Phe Leu Asp Asp Ser
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<210> 31
 <211> 12
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<220>
 <223> Oligonucleotide

<400> 31
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<210> 32
 <211> 8
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide

<400> 32
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8

<210> 33
 <211> 46
 <212> PRT
 <213> Artificial Sequence

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 <223> Xaa = Any Amino Acid

<223> Synthetic peptide

<400> 33
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 Xaa Xaa Xaa Xaa Leu Thr Phe Leu Asp Asp Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 35 40 45

<210> 34
 <211> 45
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 18, 19, 20, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36,
 37, 38, 39, 40, 41, 42, 43, 44, 45
 <223> Xaa = Any Amino Acid

<223> Synthetic peptide

<400> 34

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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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Xaa Xaa Xaa Xaa Pro Pro Tyr Tyr Leu Xaa Xaa Xaa Xaa Xaa Xaa
 20           25           30
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 35           40           45

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<210> 35

<211> 561

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

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<400> 35

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 1           5           10           15

atc gcc agc ttt gtg tgt cag tat gca tct cca ggc aaa gcc act gag 96
Ile Ala Ser Phe Val Cys Gln Tyr Ala Ser Pro Gly Lys Ala Thr Glu
 20           25           30

gtc cgg gtg aca gtg ctt cgg cag gct gac agc cag gtg act gaa gtc 144
Val Arg Val Thr Val Leu Arg Gln Ala Asp Ser Gln Val Thr Glu Val
 35           40           45

tgt gcg gca acc tac atg atg ggg aat gag ttg acc ttc cta gat gat 192
Cys Ala Ala Thr Tyr Met Met Gly Asn Glu Leu Thr Phe Leu Asp Asp
 50           55           60

tcc atc tgc acg ggc acc tcc agt gga aat caa gtg aac ctc act atc 240
Ser Ile Cys Thr Gly Thr Ser Ser Gly Asn Gln Val Asn Leu Thr Ile
 65           70           75           80

caa gga ctg agg gcc atg gac acg gga ctc tac atc tgc aag gtg gag 288
Gln Gly Leu Arg Ala Met Asp Thr Gly Leu Tyr Ile Cys Lys Val Glu
 85           90           95

ctc atg tac cca ccg cca tac tac ctg ggc ata ggc aac gga acc cag 336
Leu Met Tyr Pro Pro Pro Tyr Tyr Leu Gly Ile Gly Asn Gly Thr Gln
100           105           110

att tat gta att gat cca gaa ccg tgc cca gat tct gac ttc ctc ctc 384
Ile Tyr Val Ile Asp Pro Glu Pro Cys Pro Asp Ser Asp Phe Leu Leu
115           120           125

tgg atc ctt gca gca gtt agt tgg ggg ttg ttt ttt tat agc ttt ctc 432
Trp Ile Leu Ala Ala Val Ser Ser Gly Leu Phe Phe Tyr Ser Phe Leu
130           135           140

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ctc aca gct gtt tct ttg agc aaa atg cta aag aaa aga agc cct ctt 480
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 145 150 155 160

aca aca ggg gtc tat gtg aaa atg ccc cca aca gag cca gaa tgt gaa 528
 Thr Thr Gly Val Tyr Val Lys Met Pro Pro Thr Glu Pro Glu Cys Glu
 165 170 175

aag caa ttt cag cct tat ttt att ccc atc aat 561
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<210> 36

<211> 187

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<223> Protein

<400> 36

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 35 40 45
 Cys Ala Ala Thr Tyr Met Met Gly Asn Glu Leu Thr Phe Leu Asp Asp
 50 55 60
 Ser Ile Cys Thr Gly Thr Ser Ser Gly Asn Gln Val Asn Leu Thr Ile
 65 70 75 80
 Gln Gly Leu Arg Ala Met Asp Thr Gly Leu Tyr Ile Cys Lys Val Glu
 85 90 95
 Leu Met Tyr Pro Pro Pro Tyr Tyr Leu Gly Ile Gly Asn Gly Thr Gln
 100 105 110
 Ile Tyr Val Ile Asp Pro Glu Pro Cys Pro Asp Ser Asp Phe Leu Leu
 115 120 125
 Trp Ile Leu Ala Ala Val Ser Ser Gly Leu Phe Phe Tyr Ser Phe Leu
 130 135 140
 Leu Thr Ala Val Ser Leu Ser Lys Met Leu Lys Lys Arg Ser Pro Leu
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 180 185

<210> 37

<211> 43

<212> DNA

<213> Artificial Sequence

<220>

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<210> 38

<211> 50

<212> DNA

<213> Artificial Sequence

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<223> Oligonucleotide

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gcagagagag gatcctcagt cagttagtca gaatctgggc acggttctgg

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<210> 39

<211> 107

<212> DNA

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<223> Oligonucleotide

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ccaaccagcg atggccgcag caatgcacgt ggcccagcct gctgtgg 107